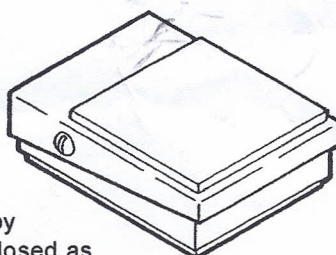



**CM-1-1
Tread Switch**
DATA SHEET

062-0001-10

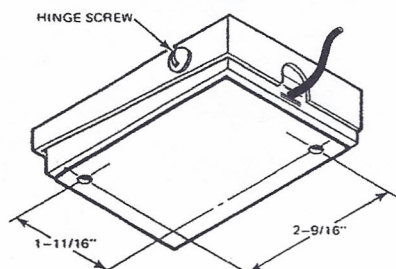
25 FEB 2000

The Tread Switch is an exceptionally versatile control mechanism that meets many of the requirements of the majority of switch users. It has been a primary control to be supplied with ZYGO Communication Systems for decades.



The switch is normally open and is activated by depressing the treadle. The switch remains closed as long as the treadle is depressed. Actuating force is less than 5 ounces (142 grams) when applied to the center of the actuating area, yet the switch can be pounded and generally abused without ill effects. The actuating area presents the client with a large target and is relatively easy to access. The audible "click" and physical feel of the spring action in the switch provide the essential sensory feedback that the switch has actuated and/or released. The Tread Switch can be positioned to be used with almost any part of the body, e.g., head, chin, elbow, hand, knee, foot, thumb squeeze, etc.

The output cable is attached to the switch and uses a miniature phone plug to make the electrical connection to communication aids and other low-power technical aids. The specific miniature phone plug used has been the standard for all ZYGO switches since the mid-1970's. It is slightly larger in diameter than the so-called 1/8 inch or 3.5 mm diameter miniature phone plugs that have become commonplace. Adapters to fit other diameters are available from ZYGO Industries, Inc.



There are 2 holes in the bottom of the Tread Switch that will accept #4 self-threading screws for mounting. The hole pattern is shown in the drawing.

To bolt through or to enlarge the mounting holes, the switch may be opened by removing the hinge screws and lock washers.

Note that the hinge screws are special parts and should not be substituted by some other.

Care should be taken not to leave metal chips inside the switch after enlarging the holes.

Replace the treadle by positioning it over the base with the hinge screw holes aligned and replace the hinge screws and washers.

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